**8' to 25' Round Tapered Fluted Aluminum 16 Flat Flute "16F" Series**

**SPECIFICATIONS**

**Pole:** Fluted poles are formed from spun tapered seamless 6063 alloy aluminum tubes with a constant linear taper of 0.14"/ft. Shaft is polished with fine grain aluminum oxide cloths, resulting in a high quality, circumferential satin-brushed surface.

**Fluting Process:** The poles are cold rolled over a precision hardened steel mandrel to form the fluted shape indicated. The fluted shaft has uniform doric flutes. The flutes are formed with rollers in full contact with the material from the top of the crest, through the valley of the flute, to the top of the next crest. The termination of the flutes is no greater than 1-1/2" radii transition into the round section of the pole. Flutes are stopped 18" above the bottom of the shaft to provide a smooth interface surface for the anchor base and "BCA" base assemblies.

**Anchor Base:** Anchor base is cast from A356 alloy aluminum. The anchor base casting and shaft are joined by a continuous circumferential weld on the inside bottom of the anchor base. The completed assembly is heat-treated to a T6 temper after all structural welding is completed.

**Flush Handhole:** A peripherally reinforced flush covered handhole centered 12" above the bottom of the pole is provided. The opening in the 5" diameter pole is 3" x 5". In the 7" and 8" diameter pole, 4" x 6". The handhole is welded tangent to the shaft and both are polished at the same time with fine grain aluminum oxide cloths.

**Fixture Mounting:** The top of the pole is customized according to the luminaire mounting requirement: a special "PQ" tenon design to support pole top assemblies; two luminaire mounting tenon possibilities; or a non-fluted top section providing a smooth side-mount luminaire arm mounting.

**Pole Top Cap:** A removable cap is provided in conjunction with drilled shafts for direct lateral luminaire arm attachment.

**Anchor Bolt:** Anchor bolts are fabricated from carbon steel bar conforming to the requirements of ASTM F1554, Grade 55. The upper 12" of the bolts are hot dip galvanized per ASTM A153. Each anchor bolt is supplied with two hex nuts and two flat washers.

**Electrical Ground Connector:** To facilitate grounding connection, a tapped hole is drilled into the bottom plate of the casing. The hole is accessible from the access door and is sized for a 3/8" bolt with standard threads.

**Finish:** The finish for the pole is polyester powder applied coating in accordance with NAFCO Specifications.

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**SERIES**
- **FA**
- **16F**
- **LT**
- **LS**

**BASE DIAMETER**
- **6-6**
- **7-7**
- **8-8**

**POLE CROSS SECTION**
- **16F**
- **16 Flute**

**SHAFT THICKNESS**
- **5"**
- **6-6"**
- **7-7"**
- **8-8"**

**FLUTE LAYOUT**
- **LT = Start 18" from Base**
- **LT = Stop 9" from Top of Pole**

**LENGTH**
- **080 = 8'-0"**
- **100 = 10'-0"**
- **120 = 12'-0"**
- **140 = 14'-0"**
- **160 = 16'-0"**
- **180 = 18'-0"**
- **200 = 20'-0"**
- **250 = 25'-0"**

**FIXTURE MOUNTING**
- **PQ = 2-3/8" x 12" Tenon**
- **P2 = 2-3/8" x 4" Tenon**
- **PD = 3" x 3" Tenon**
- **C2 = Tenon for Chateau #1**
- **C2A = Twin Arm**
- **D2 = Drilling**
- **D3 = Drilling for 3@90°**

**OPTIONS**
- **NC = Fluted Nut Covers**
- **HB = Fixed Base**
- **HBH = Fixed Base**
- **SL = Special Pole Length**

**STANDARD FINISHES**
- **WH = White**
- **BK = Black**
- **MB = Medium Bronze**
- **SG = Sage Green**
- **ST = Sandstone**
- **SL = Silver**
- **BR = Burgundy**

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Serving our customers and the industry with quality products since 1973.

NAFCO International, Fond du Lac, WI 1-800-558-4810 Fax 1-920-921-0781 www.nafcointernational.com
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Fluted Aluminum 16 Flat Flute “16F” Series

**ANCHOR BASE AND BOLT DIMENSIONS**

**Optional Hinged Base Cover**
The contemporary smooth designed hinged base cover is cast from aluminum and available in 6”, 7”, and 8” base O.D. poles with a maximum height of 20’.

<table>
<thead>
<tr>
<th>POLE DIA. (IN)</th>
<th>BASE DIMENSIONS (SEE DETAIL)</th>
<th>ANCHOR BOLTS</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>BOLT CIRCLE</td>
<td>BASE SQUARE</td>
</tr>
<tr>
<td>6”</td>
<td>8-3/4” - 10-1/4”</td>
<td>10-1/4”</td>
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<tr>
<td>7”</td>
<td>9-7/8” - 11-1/4”</td>
<td>10-5/8”</td>
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<tr>
<td>8”</td>
<td>11” - 12-1/8”</td>
<td>11-5/8”</td>
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**Flush Reinforced Handhole**
The handhole welded tangent to the shaft is polished with fine grain aluminum oxide cloths at the same time as the shaft offering a unique flush design.

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**STANDARD DIMENSIONAL AND LOAD DATA**

| POLE HEIGHT (FT) | CATALOG NUMBER | BASE SHAFT WALL TOP O.D. O.D. THK. (GA) MAX EFA MAX MAX EFA MAX MAX MPH (SQ FT) WEIGHT (lbs) MPH (SQ FT) WEIGHT (lbs) MPH (SQ FT) WEIGHT (lbs) |
|------------------|----------------|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 8                | FA-6-16F-5(FL)-080 (M) (F) (C) | 6.00 | 4.88 | 156” | 23.2 | 120 | 18.2 | 120 | 14.8 | 120 |
| 10               | FA-6-16F-5(FL)-100 (M) (F) (C) | 6.00 | 4.60 | 156” | 19.8 | 120 | 15.5 | 120 | 12.5 | 120 |
| 12               | FA-6-16F-5(FL)-120 (M) (F) (C) | 6.00 | 4.32 | 156” | 13.5 | 120 | 10.6 | 120 | 8.5 | 120 |
| 14               | FA-6-16F-5(FL)-140 (M) (F) (C) | 6.00 | 4.04 | 156” | 11.5 | 120 | 9.0 | 120 | 7.2 | 120 |
| 16               | FA-6-16F-5(FL)-160 (M) (F) (C) | 6.00 | 3.76 | 156” | 9.8 | 120 | 7.4 | 120 | 5.8 | 120 |
| 18               | FA-7-16F-5(FL)-180 (M) (F) (C) | 7.00 | 4.48 | 156” | 12.5 | 120 | 9.6 | 120 | 7.7 | 120 |
| 20               | FA-7-16F-5(FL)-200 (M) (F) (C) | 7.00 | 4.20 | 156” | 10.7 | 120 | 8.0 | 120 | 6.3 | 120 |
| 20               | FA-8-16F-5(FL)-200 (M) (F) (C) | 8.00 | 5.20 | 188” | 19.2 | 120 | 15.6 | 120 | 12.0 | 120 |
| 25               | FA-8-16F-6(FL)-250 (M) (F) (C) | 8.00 | 4.50 | 188” | 13.7 | 120 | 10.7 | 120 | 8.4 | 120 |
| 25               | FA-8-16F-6(FL)-250 (M) (F) (C) | 8.00 | 4.50 | 250” | 13.7 | 120 | 10.7 | 120 | 8.4 | 120 |

Replace (F) with Flute Layout Code, (M) with Mounting Method Code, (F) with Finish Code, and (C) with Options Code.

EPA calculations allow for 1.3 Wind Speed Factor. Satisfactory performance of footing standard is dependent upon the pole(s) being properly attached to a supporting foundation of adequate design. NAFCO does not design or offer recommendations for foundations.

Dimensions and Specifications subject to change without notice.

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